



Replacement Sheet

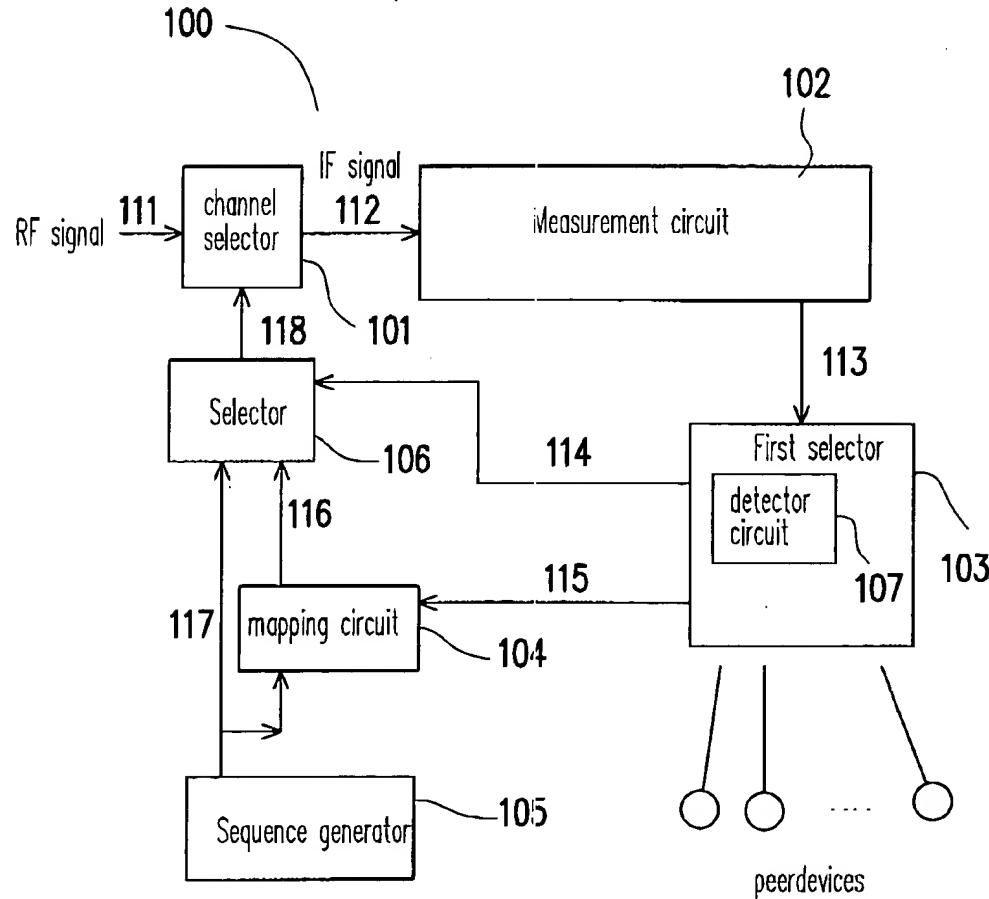


FIG. 1

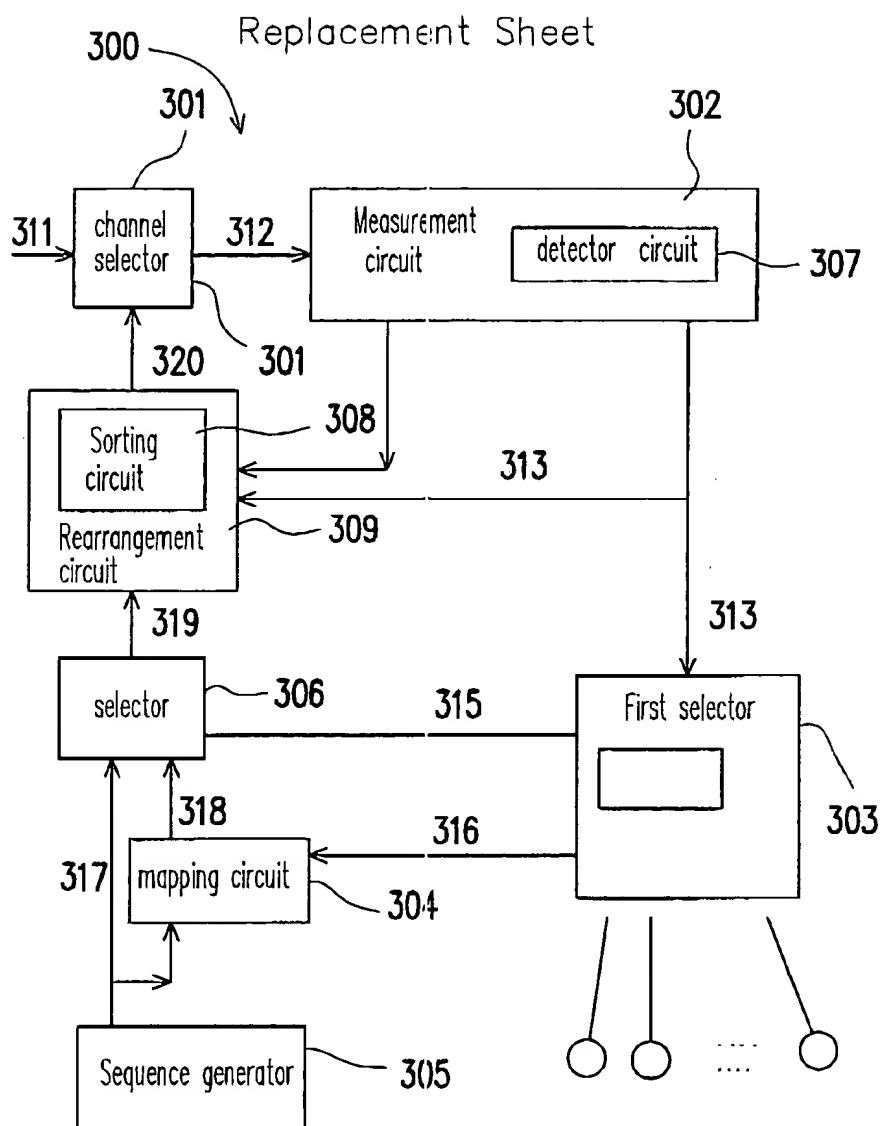


FIG. 3

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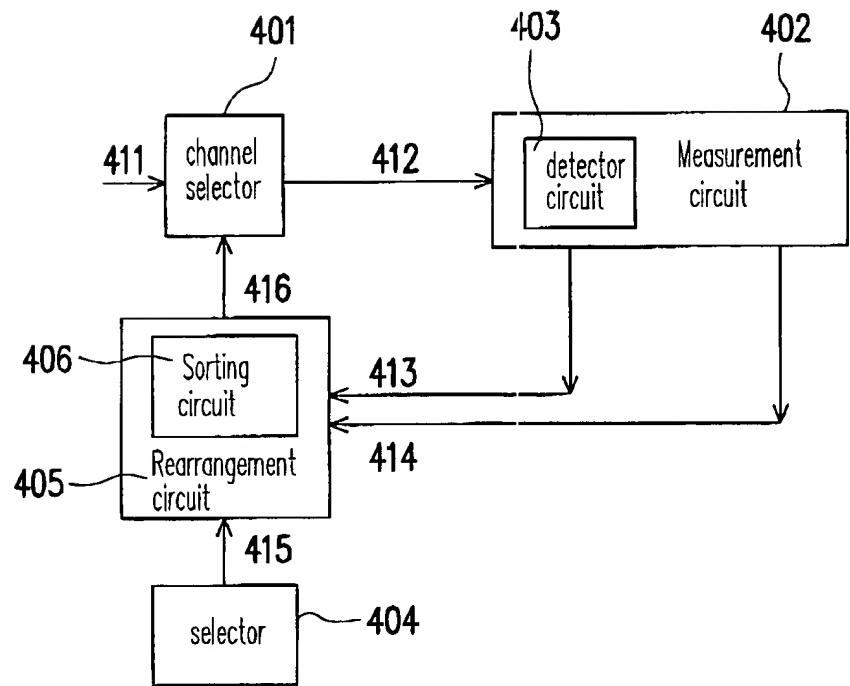


FIG. 4

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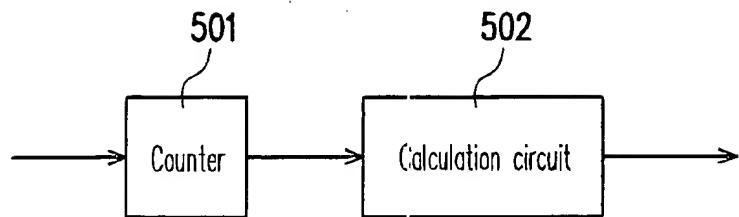


FIG. 5

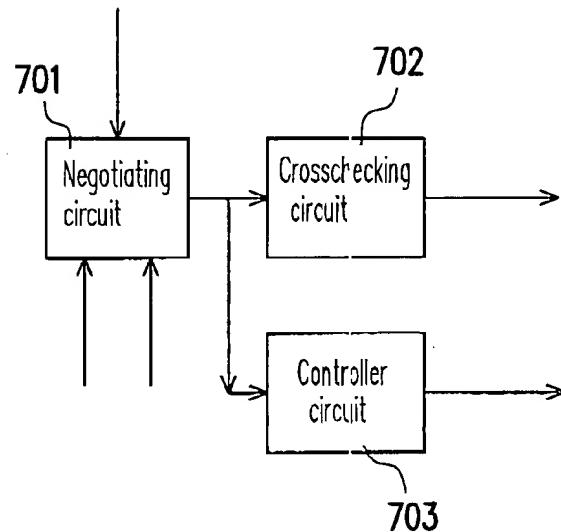


FIG. 7

800

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measuring N_p data collision ratios respectively corresponding to N_p partitions, responsive to a RF signal, the N_p data collision ratios having value of $R(i)$, i being from 1 through N_p and denoting an i th partition

801

selecting a partition sequence from Q partition sequences, the partition sequence having a smallest value of a selection value $H(p)$, wherein the selection value is a summation of $R(i)^p$ number of occurrence of the i th partition in each of Q partition sequences, p being from 1 through Q and denoting p th partition sequence

802

mapping the first sequence of M channels to the selected partition sequence to produce a second sequence of M channels

803

responsive to a control signal, selecting one of the first sequence and the second sequence as the hopping sequence

804

▼

Fig 8

900

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responsive to a RF signal, detecting an interference event within the RF signal

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measuring N_p data collision ratios respectively corresponding to N_p partitions, responsive to a RF signal, the N_p data collision ratios having value of $R(i)$, i being from 1 through N_p and denoting an i th partition

902

selecting a partition sequence from Q partition sequences, the partition sequence having a smallest value of a selection value $H(p)$, wherein the selection value is a summation of $R(i)$ " number of occurrence of the i th partition in each of Q partition sequences, p being from 1 through Q and denoting p th partition sequence

903

mapping the first sequence of M channels to the selected partition sequence to produce a second sequence of M channels

904

responsive to a control signal, selecting one of the first sequence and the second sequence as the hopping sequence

905

sorting $R(i)$ of N_p data collision ratios from the highest to the lowest to obtain P most interfered partitions, wherein the P is a predetermined value

906

rearranging the third sequence to obtain the hopping sequence in a predetermined manner, as an interference event is detected and the detected interference event occurs is within P most interfered partitions

907

Fig. 9